

Appl. No. 09/683,662
Amtd. Dated July 22, 2004
Reply to Office action of April 22, 2004

Docket No. DE92000079US1

Substitute Claims

1. (currently amended) A mobile data processing device [having] comprising a port for connecting an external power supply [characterized by] and a further port for providing power to another mobile data processing device.
2. (original) The mobile data processing device according to claim 1, wherein said further port is provided with a reference voltage required by said another mobile data processing device.
3. (currently amended) The mobile data processing device according to claim 2, wherein said reference voltage is generated by a mobile [devices] device power server ((MD PS)) contained within a housing of [integrated into] said mobile data processing device.
4. (currently amended) The mobile data processing device according to claim 3, wherein said (MD PS) comprises [a] an input with power of a certain voltage (VDC) from an external power supply adapter providing power to [said power supply] a power supplying device, one voltage regulator circuit for generating a reference voltage for an assigned power receiving device and an output for providing said generated [voltage(s)] voltage to an assigned power receiving device.
5. (currently amended) The mobile data processing device according to claim 4, wherein said (MD PS) further comprises an input for providing power from a power subsystem [&] and battery charger of said power supplying device and a switch for controlling supply of said power from said power subsystem [&] and battery charger to said power receiving mobile device.
6. (currently amended) The mobile data processing device according to claim 5, wherein said (MD PS) further comprises a reference voltage generator for providing a reference

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voltage to said voltage regulator [circuitry] circuit and a reference voltage selection circuit choosing said provided reference voltage.

7. (currently amended) The mobile data processing device according to claim 6, wherein said voltage generator supports several independent voltage regulator [circuitries] circuits concurrently.

8. (currently amended) The mobile data processing device according to claim 7, wherein said (MD PS) further comprises a protection circuit for protection of said (MD PS) against high voltages [or statically discharges applied to said output].

9. (original) The mobile data processing device according to claim 8, wherein said (MD PS) comprises for each power receiving device an independent voltage regulator circuit, an independent protection circuit, and an independent output.

10. (original) The mobile data processing device according to claim 9, wherein said power supplying device is a notebook and said power receiving device is a mobile phone.

11. (original) The mobile data processing device according to claim 9, wherein said power supplying device is a notebook and said power receiving device is a personal assistant.

12. (currently amended) A portable connector comprising:
an input port for connecting an external power supply adapter for receiving external power supply;
an output port for connecting a power receiving device; and
a mobile device power server (MD PS) comprising a voltage regulator for receiving an input voltage from [via] said external power supply adapter, generating a reference voltage, and supplying the reference voltage to said output port.

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13. (currently amended) The portable connector according to claim 12, wherein said (MD PS) further comprises a reference voltage generator for providing preliminary reference [voltage(s)] voltage to [said] a voltage generator [circuitry] circuit and a reference voltage selection circuit for choosing said provided preliminary reference voltage.

14. (original) The portable connector according to claim 12, wherein said (MD PS) further comprises for each power receiving device an independent voltage regulator, an independent protection circuit, and an independent output.

15. (original) The portable connector according to claim 12, wherein said (MD PS) further comprises a protection circuit for protecting said (MD PS) against high voltages.

16. (currently amended) The portable connector according to claim 12, wherein said (MD PS) is used as connection between [the] a port of [the] a power supplying device and the external power supply adapter.

17. (original) The portable connector according to claim 12, wherein said (MD PS) further comprises a protection circuit for protecting said (MD PS) against static discharges applied to said output.

18. (new) A mobile device power server (MD PS) that provides regulated power from an external power supply to a plurality of mobile processing devices, said mobile device power server comprising:

an external power supply adapter port to receive an external power supply adapter,

a primary port that receives power from the external power supply through said external power supply adapter to power a primary mobile processing device, and

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at least one supplemental port that provides regulated power to at least one other mobile processing device, said at least one supplemental port being coupled to the primary port through an independent voltage regulator.

19. (new) The mobile device power server of claim 18 wherein said power server device is contained within a housing of a data processing device.